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Hsu

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(54) **HEEL-LIFTING ELLIPTICAL MACHINE**

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(58) **Field of Classification Search**

CPC **A63B 22/04**; **A63B 23/10**; **A63B 23/0405**; **A63B 23/03525**; **A63B 22/06-22/0694**

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See application file for complete search history.

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(57) **ABSTRACT**

A heel-lifting elliptical machine has a foundation, two linkage assemblies and two pedal assemblies. The foundation comprises a swing shaft and a driving wheel connected with a flywheel via a driving belt. The linkage assemblies are mounted on two sides of the foundation, staggered from each other, and joined to a driving shaft of the driving wheel. Each of the linkage assemblies comprises a rotation rod, a crank and a swing arm. The rotation rod is connected to the driving shaft. The crank is pivotably mounted on the other end of the rotation rod. The swing arm is pivotably mounted on the swing shaft and the crank. Two pedal assemblies are mounted securely on the cranks and form vertical ellipse routes along with the movement of the cranks, thereby increasing the exercise intensity and decreasing the obstruction and the noise.

9 Claims, 8 Drawing Sheets

